



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

APR 26 2000

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 9507
(FOURTH REVISION)

EXPIRATION DATE: February 28, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Products and Chemicals, Inc.
Allentown, Pennsylvania

(See Appendix A of this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the use of a non-DOT Specification full removable head salvage cylinder of 45 gallon capacity for overpacking damaged or leaking packages of pressurized and non-pressurized hazardous materials. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.
- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.34.
5. BASIS: This exemption is based on the application of Air Products and Chemicals, Inc. dated April 4, 2000, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Hazardous Materials including materials meeting the PIH criteria which are in Division 2.1 (except acetylene), 2.2, 2.3 Class 3, and Division 6.1.	As appro- priate	As appro- priate	As appro- priate

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a non-DOT specification austenitic stainless steel full removable head salvage cylinder of welded construction, with provisions for securely positioning the damaged cylinder contained within. Cylinder material must be equivalent to a material authorized in Section VIII of the ASME Code. Joints, weld efficiency, weld quality and design stresses must be in accordance with ASME requirements. The cylinder must be in accordance with Sigri Elektrographit GmbH drawing number 800 229 "b" dated July 2, 1984, and the following:

Volume	45 gallon water capacity
Material	equivalent to SA 240 type 321
Design Stress	17906 psi (at service pressure)
Outside diameter	14 inches
Length	86 inches
Sidewall thickness	0.472 inch minimum
Service pressure (MAWP)	1087.5 psi (75 bar)
Test pressure	1638.5 psi (113 bar)
Openings-sidewall	three-1/4" NPT for pressure gauge, analysis valve and purge valve.
Openings-removable head	1-2" diameter opening damaged cylinder valve.
Welded attachments	2 - lifting brackets
Pressure relief devices	none.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

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- b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- c. Damaged cylinders containing liquefied gases with vapor pressure exceeding 1000 psig at 70° F are not authorized.
- d. The nonliquefied gases in damaged cylinders to be transported must be limited in pressure and volume so that if totally discharged into the salvage cylinder the pressure at 70° F will not exceed 1000 psig.
- e. Each salvage cylinder must be plainly marked on both sides near the middle, in letters at two (2) inches high on contrasting background "DOT-E 9507" and the words "SALVAGE CYLINDER".
- f. Each salvage cylinder must be labeled as prescribed for the material in the damage cylinder.
- g. Each salvage cylinder must be secured to the motor vehicle by a securement system that conforms to the requirements contained in §§ 393.100 through 393.106.
- b. TESTING - Each salvage cylinder must be visually inspected (internally and externally) and hydrostatically retested at least once every two years at 1638.5 psig. The retest and inspection must be made by an employee that is familiar with the salvage cylinder and is trained and experienced in the use of the inspection and testing equipment. Records of retest must be made available to a DOT representative upon request.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS:

- a. A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.
- b. Transport is limited to motor vehicles owned or leased by Air Products and Chemicals, Inc. or any party to this exemption, or owned or leased to contract carriers employed by Air Products and Chemicals, Inc., or any party to this exemption.

c. Drivers and other persons who load/unload or transport the recovery cylinder must be trained in handling and loading/unloading the recovery cylinder.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:



For Robert A. McGuire
Acting Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

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The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: AM(00)

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Applica- tion Date	Issue Date	Expiration Date
Air Liquide America Corporation Houston, TX	5/30/2000	6/16/2000	2/28/2002
Praxair Puerto Rico, Inc. Gurabo, PR	4/20/2000	5/5/2000	2/28/2002
Praxair, Inc. Danbury, CT	5/31/2000	6/30/2000	2/28/2002
Praxair Distribution, Inc. Tonawanda, NY	5/31/2000	6/30/2000	2/28/2002
MG Industries Malvern, PA	3/10/2000	3/21/2000	2/28/2002
Praxair Distribution Southeast, LLC Tequesta, FL	8/17/2000 & 9/18/2000	SEP 23 6 00 2000	2/28/2002


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety